

3M™ PIN STRIP HEADER, 951 SERIES
 2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL

- NOTES
1. REGULATORY INFORMATION:
 VISIT 3M.com/regs OR CONTACT YOUR 3M REPRESENTATIVE TO FIND THE RoHS COMPLIANCE STATUS OF THE 3M PART YOU ARE INTERESTED IN.
 2. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
 3. N = THE NUMBER OF POSITIONS.



SINGLE ROW STRAIGHT VERSION



DUAL ROW STRAIGHT VERSION



SINGLE ROW RIGHT ANGLE VERSION



DUAL ROW RIGHT ANGLE VERSION



SINGLE ROW SURFACE MOUNT VERSION



DUAL ROW SURFACE MOUNT VERSION

2 PHYSICAL :

INSULATOR: HIGH TEMP THERMOPLASTIC
 MATERIAL: UL94V-0
 FLAMMABILITY: BLACK
 CONTACT: BRASS
 MATERIAL: BRASS
 PLATING: 50μ" [1.27μm] NICKEL-OVERALL
 UNDER PLATING: GOLD FLASH
 WIPING AREA: 40-118μ" [1-3μm]
 SOLDER TAILS: ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING: 2A
 CONTACT RESISTANCE: ≤ 20mΩ
 INSULATION RESISTANCE: ≥ 1000MΩ
 WITHSTANDING VOLTAGE: 500V_{RMS} 1mA, 60s

2 MECHANICAL :

RETENTION FORCE: ≥ 4.5N PER PIN

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO 125°C
 HUMIDITY: < 93% AT 40°C
 RESISTANCE TO SOLDERING HEAT: PBT, 245°C±5°C, 10s

3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
 INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>
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 INFORMATION CALL 800-225-5373

UL us
 UL FILE NO: E68080

MM [INCH]		
TOLERANCE - UNLESS NOTED		
	X.	.XX
MM	±.5	±.20
[INCH]	±.02	±.008
[] = DIM. FOR REFERENCE ONLY		

DIMENSIONS: INCH [MM]
 [MM] FOR REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ACROSS CODES		CASTIGLIONE		FEB 23, 2015		
DIVISION	DIVISION CODE	CHKD	DATE	APPRV	DATE	
	EMSD			T. SUNIGA	FEB 23, 2015	
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
		INCHES		© 3M COPYRIGHT 2017 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.		
		MILLIMETERS		TITLE PIN STRIP HEADER, 2MM X 2MM, STRAIGHT, SMT & RA, SOLDER TAIL		
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
MAX SURFACE ROUGHNESS	DTX SURFACES	D		78-5100-2653-3	B	
<input checked="" type="checkbox"/> MARKED ONLY	ANGLES	MODEL		951XXX		

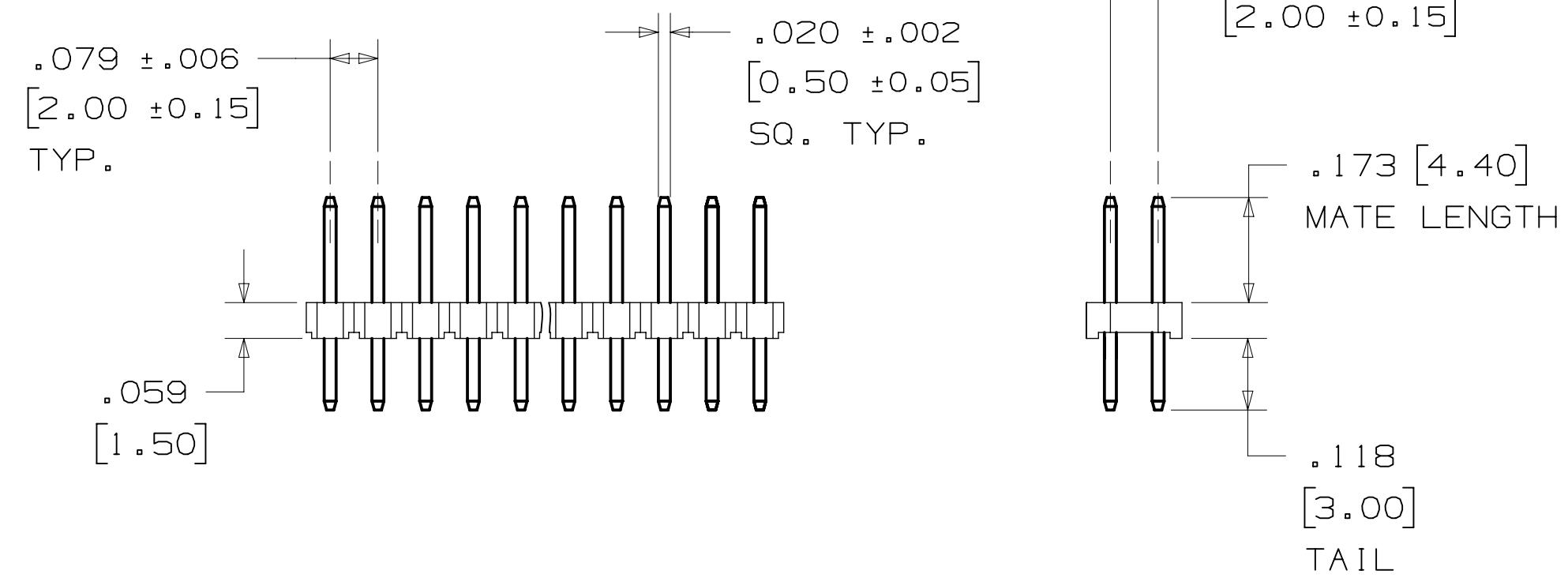
B	76546	NOV 08, 2017	JNC	SC
		REVISE SHT 4		
A	72044	MAR 06, 2017	JNC	TS
		REVISE ELECTRICAL NOTES		
		3-2-17 REMOVED 2 CONNECTORS		
		PRODUCTION RELEASE		

B REVISION
 78-5100-2653-3 DRAWING NUMBER
 B
 Drr.set
 A
 Standard Time 11/27/2017 UTC

3M™ PIN STRIP HEADER, 951 SERIES
 2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



RECOMMENDED PC BOARD LAYOUT
 (VIEWED FROM CONNECTOR SIDE)



RECOMMENDED PC BOARD LAYOUT
 (VIEWED FROM CONNECTOR SIDE)

ORDERING INFORMATION
 STRAIGHT VERSION

951XXX-8622-AR

No. OF ROWS: 1 = 1 ROW
 2 = 2 ROW
 CONTACT QTY. 40 PINS = 1 ROW
 80 PINS = 2 ROW

TABLE 1	
DIM. "A"	.079 [2.00] X N
DIM. "B"	.079 [2.00] X (N-1)
DIM. "C"	.079 [2.00] X (N/2)
DIM. "D"	.079 [2.00] X (N/2-1)
SEE NOTE 3	

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
ACROSS CODES		CHKD	CASTIGLIONE	FEB 23, 2015		
DIVISION	DIVISION CODE	DATE	DATE	DATE	DATE	DATE
	EMSD					
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THIRD ANGLE PROJECTION		INCHES		TITLE PIN STRIP HEADER, 2MM X 2MM, STRAIGHT, SMT & RA, SOLDER TAIL		
INTERPRET PER ASME Y14.5 - 2009		MILLIMETERS		CAGE NUMBER D 78-5100-2653-3		
MAX SURFACE ROUGHNESS		ANGLES		MODEL 951XXX		
MARKED ONLY				REV. B SHT 2 OF 5		

78-5100-2653-3
 DRAWING NUMBER
 B
 REVISION
 11/27/2017 UTC
 Drf-set

3M™ PIN STRIP HEADER, 951 SERIES
2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM CONNECTOR SIDE)



RECOMMENDED PC BOARD LAYOUT
(VIEWED FROM CONNECTOR SIDE)



ORDERING INFORMATION
RIGHT ANGLE VERSION

951XXX-7X22-AR

No. OF ROWS:
1 = 1 ROW
2 = 2 ROW

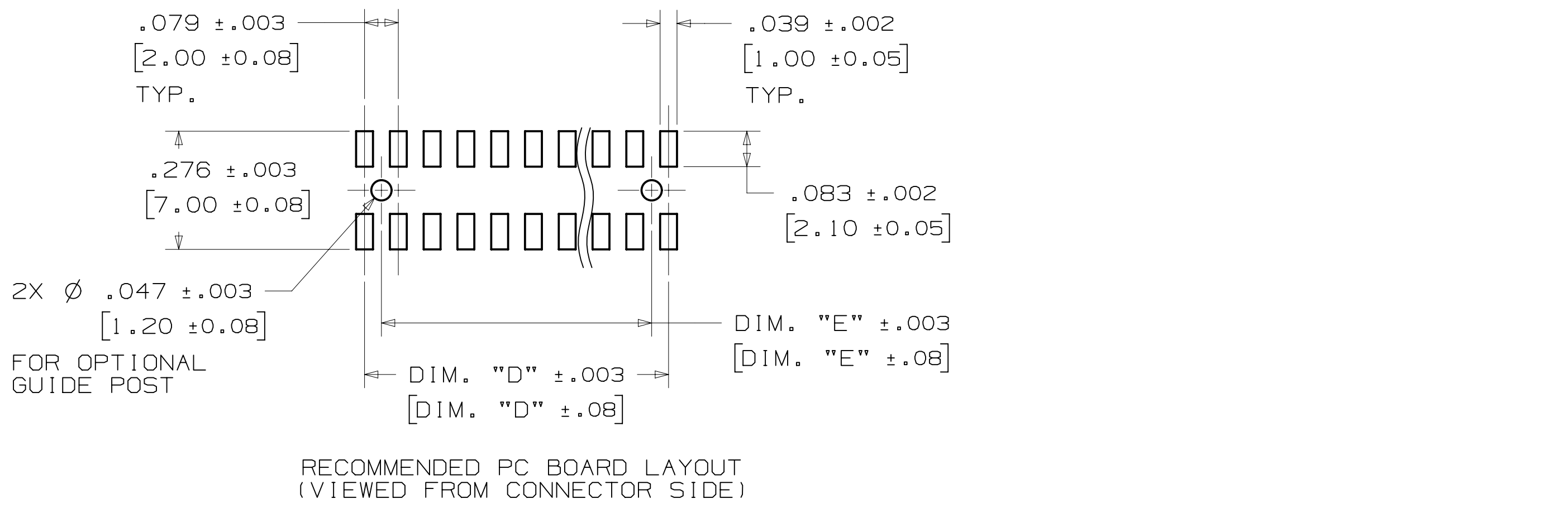
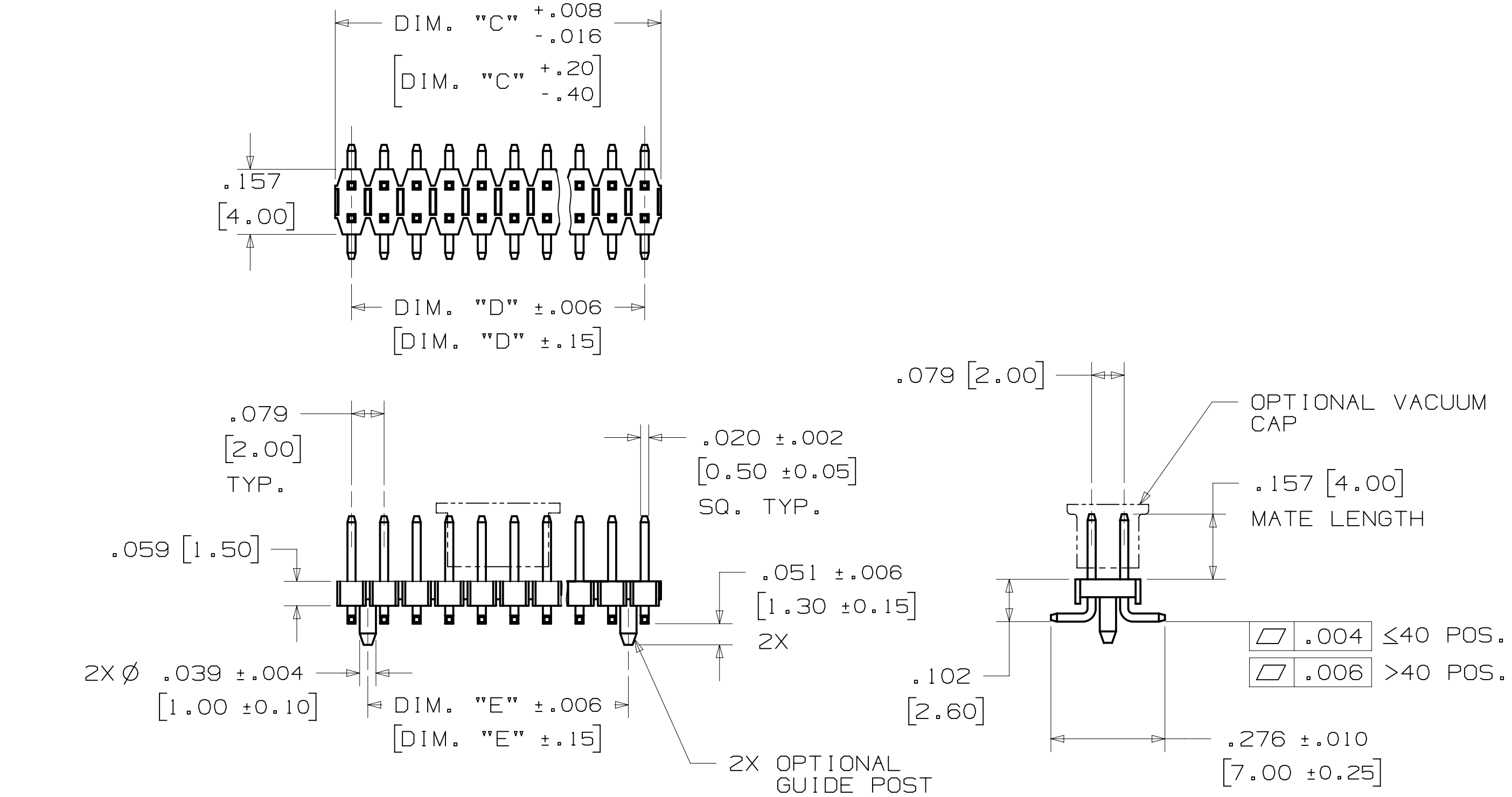
CONTACT QTY:
40 PINS = 1 ROW
80 PINS = 2 ROW

DIM. "F" MATING PIN LENGTH:
6 = .173 [4.40]
7 = .295 [7.50]

TABLE 2	
DIM. "A"	.079 [2.00] X N
DIM. "B"	.079 [2.00] X (N-1)
DIM. "C"	.079 [2.00] X (N/2)
DIM. "D"	.079 [2.00] X (N/2-1)
SEE NOTE 3	

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
CODES		CASTIGLIONE		FEB 23, 2015		
DIVISION	DIVISION CODE	DATE	DATE	DATE	DATE	DATE
	EMSD					
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED				
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MAX SURFACE ROUGHNESS	TITLE: PIN STRIP HEADER, 2MM X 2MM, STRAIGHT, SMT & RA, SOLDER TAIL CAGE NUMBER: D 78-5100-2653-3 MODEL: 951XXX			
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			© 3M COPYRIGHT 2017 DATE: FEB 23, 2015 DATE: FEB 23, 2015 DATE:			
			SHT 3 OF 5			

3M™ PIN STRIP HEADER, 951 SERIES
 2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL



ORDERING INFORMATION
 SURFACE MOUNT VERSION

951XXX-25X0-AR-XX

No. OF ROWS:
 1 = 1 ROW
 2 = 2 ROW

CONTACT QUANTITY:
 40 PINS = 1 ROW
 80 PINS = 2 ROW

PACKAGING:
 TP = TUBE
 PT = TUBE WITH PAD
 PR = TAPE & REEL WITH PAD
 NOTE: PAD OPTIONS
 1 ROW = 40 POSITION
 2 ROW = 80 POSITION

BOARD LOCATION FEATURES:
 3 = 1 ROW / PIN 1 LEFT
 2 = 2 ROW / NONE
 5 = 2 ROW / WITH LOCATION POST
 (8 - 14 CONTACTS)

TABLE 3

DIM. "A"	.079 [2.00] X N
DIM. "B"	.079 [2.00] X (N-1)
DIM. "C"	.079 [2.00] X (N/2)
DIM. "D"	.079 [2.00] X (N/2-1)
DIM. "E"	.079 [2.00] X (N/2-2)
SEE NOTE 3	

TAPE & REEL OPTION

1 ROW	CONTACT QTY.	40
2 ROW		80
TAPE WIDTH [MM]		104

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
B	76546	NOV 08, 2017 REVISE SHT 4	JNC	SC
A	72044	MAR 06, 2017 REVISE ELECTRICAL NOTES 3-2-17 REMOVED 2 CONNECTORS PRODUCTION RELEASE	JNC	TS

DESIGN REFERENCE: NEXT ASSEMBLY

DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

MAX SURFACE ROUGHNESS

MARKED ONLY

SCALE: 4/1

TOLERANCES EXCEPT AS NOTED

INCHES: .00, .000, .0000

MILLIMETERS: 0, .00, .000, .000

3M

TITLE: PIN STRIP HEADER, 2MM X 2MM, STRAIGHT, SMT & RA, SOLDER TAIL

CAGE NUMBER: D78-5100-2653-3

REV. B

DATE: FEB 23, 2015

APPRV: T. SUNIGA

DATE: FEB 23, 2015

ISSUE DATE AND DESCRIPTION: NOV 08, 2017 REVISE SHT 4

DRFT: JNC

CHKD: SC

DATE: MAR 06, 2017

REVISE ELECTRICAL NOTES

3-2-17 REMOVED 2 CONNECTORS

PRODUCTION RELEASE

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3M Center St. Paul, MN 55144

DEF: [] YES [X] NO

SHT 4 OF 5

3M™ PIN STRIP HEADER, 951 SERIES
 2MM AND 2MM X 2MM STRAIGHT, RIGHT ANGLE AND SURFACE MOUNT, SOLDER TAIL

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DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
APPROVED	DATE	DATE	DATE	DATE	DATE	DATE
CASTIGLIONE	FEB 23, 2015	FEB 23, 2015	T. SUNIGA	FEB 23, 2015		
DIVISION	DIVISION CODE					© 3M COPYRIGHT 2017 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.
DO NOT SCALE DRAWING	SCALE 4/1	TOLERANCES EXCEPT AS NOTED	INCHES .00 ± .000 ± .0000 ±			
THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS	0 ± .00 ± .000 ± .000 ±			
MAX SURFACE ROUGHNESS	MARKED ONLY	ANGLES	.00 ± .000 ± .000 ±			
CAGE NUMBER		SIZE	DRAWING NO.	REV.		
D78-5100-2653-3		B	78-5100-2653-3	B		
MODEL		951XXX	DET		SHT 5 OF 5	

78-5100-2653-3
 DRAWING NUMBER
 B
 REVISION
 B
 Drr-set
 A
 Standard Time 11/27/2017 UTC



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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